

REMARKS

Claims 1-13 are pending in this application. By this Amendment, claims 5, 10 and 11 are amended. No new matter is added by this Amendment. Support for the amendments to claims 5 and 10 is found at, for example, page 10, lines 6-18 of the specification, and at, for example, Fig. 2. Support for the amendments to claim 11 is found at, for example, original claim 10.

I. Information Disclosure Statement

References 1 and 2 previously listed in an Information Disclosure Statement (IDS) filed on November 18, 2003 were not acknowledged as having been considered by the Examiner.

Applicant attaches hereto a revised form PTO-1449 corresponding to the references listed in the November 18, 2003 IDS. The revised form PTO-1449 includes the U.S. Patent number for reference 1 and the U.S. Publication number for reference 2, which were originally listed in the November 18, 2003 IDS by their respective attorney docket numbers. Acknowledgement of consideration of these references is respectfully requested.

II. Allowable Subject Matter

Applicant thanks the Examiner for the indication that claims 2-4, 7-9 and 11-13 contain allowable subject matter. To this end, Applicant amends claim 11 to incorporate the subject matter of original claim 10. Accordingly, at least claim 11, as well as claims 12 and 13 dependent therefrom, are in condition for allowance.

III. Rejection Under 35 U.S.C. §102(e)

Claims 5 and 10 are rejected under 35 U.S.C. §102(e) over U.S. Patent No. 6,806,854 (Cairns). This rejection is respectfully traversed.

Each of claims 5 and 10 recited that the first to the *i*th select signals are generated based on a gate signal and first to *i*th demultiplex control signals. Cairns fails to disclose this feature.

Accordingly, for at least the foregoing reason, Cairns fails to anticipate claims 5 and 10. Withdrawal of the rejection is requested.

IV. Rejection Under 35 U.S.C. §103(a)

Claims 1 and 6 are rejected under 35 U.S.C. §103(a) over Cairns in view of U.S. Patent No. 6,700,562 (Knapp). This rejection is respectfully traversed.

With respect to claim 1, the Office Action acknowledges that "Cairns et al. does not disclose the driver circuit comprising a select signal generation circuit which generates first to *i*th select signals, the first to *i*th select signals controlling the first to *i*th switching elements based on first to *i*th demultiplex control signals respectively." See page 5 of the Office Action.

With respect to claim 6, the Office Action acknowledges that "Cairns et al. does not disclose a select signal generation circuit which generates first to *j*th select signals, the first to *i*th select signals controlling the first to *i*th switching elements based on first to *i*th demultiplex control signals respectively." See page 6 of the Office Action.

The Office Action then cites Figs. 3, 5, items G1-G3, and col. 6, line 46 to col. 7, line 4 of Knapp, and asserts that Knapp cures these deficiencies of Cairns.

However, Knapp discloses the column driver side configuration. This is clear from the statement "there are three input lines, V1, V2, and V3, to which parallel input video signals are applied" and the description in column 6, lines 58 to 61 (Figs. 3 and 5, items G1-G3, from Col. 6, Line 46 to Col. 7, Line 4).

Accordingly, Knapp merely discloses generating the select signal which selects the switching element connected to the signal line, but does not disclose selecting the switching

element connected to the scan line and the color component signal line. Moreover, the switching element is not controlled by the select signal supplied to the scan line.

According to the presently claimed invention, the switching element connected to the scan line and the color component signal line is controlled by the select signal supplied to the scan line. In this case, the write time of the color component pixel can be sufficiently secured by generating the jth select signal so that at least the jth switching element is in the ON state when the jth demultiplex switching element shifts from the ON state to the OFF state and that the jth switching element is set to the OFF state before the jth demultiplex switching element is set to the ON state again after the jth demultiplex switching element has shifted to the OFF state. The write time of each color component pixel can be made uniform irrespective of the order of writing of the display data for each color component in the select period of the pixel, whereby the image quality can be improved.

Specifically, the presently claimed invention achieves the effects which cannot be obtained even if Cairns and Knapp could have been combined.

For at least the foregoing reasons, Cairns and Knapp, whether each is taken alone or in combination, fail to disclose or suggest the features of claims 1 and 6. Withdrawal of the rejection is requested.

V. Conclusion

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of the pending claims are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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Attachment:

Revised Form PTO-1449
Amendment Transmittal

Date: August 25, 2006

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Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 117801		APPLICATION NO. 10/714,872	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT(S) Akira MORITA			
				FILING DATE November 18, 2003		GROUP 3141	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
	1	US 2004/0140969 A1	07/22/2004	MORITA			
	2	US 7,034,276	04/25/2006	MORITA			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
EXAMINER					DATE CONSIDERED		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: August 25, 2006